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We claim:

1. A kitchen device to mix and extrude food products such as pasta, cookies or hors d'oeuvres, said device comprising:

a mixing bin,

said mixing bin having within it at least one mechanical mixing element operative for mixing food products,

an extruder chamber,

said extruder chamber including an outer cylindrical perimeter wall,

an extruder screw,

said extruder screw having a generally horizontal axis of rotation,

said extruder chamber housing said extruder screw,

communication means to facilitate transference of food products from said mixing bin to said extruder chamber,

said extruder chamber mounting an extrusion die on its output end,

said extrusion die being operative to extrude food products conveyed by said extruder screw,

a reversing electric motor,

mechanical transmission means,

said extruder screw coupled to said electric motor through said mechanical transmission means,

said extruder chamber cylindrical perimeter wall being penetrated below the axis of rotation of said extruder screw housed by said extruder chamber by an opening contoured to facilitate egress of food product from said extruder chamber.

2. The device of claim 1 further including said opening in said extruder chamber cylindrical wall being in communication with said mixing bin.

3. The device of claim 1 further including:

a bearing wall,

said bearing wall being generally flat and disposed orthogonal to said extruder screw axis of rotation,

said bearing wall coupled on the end of said extruder chamber opposite said output end mounting said extrusion die,

4. A kitchen device to mix and extrude food products such as pasta, cookies or hors d'oeuvres, said device comprising:

a mixing bin,

said mixing bin having within it at least one mechanical mixing element operative for mixing food products,

an extruder chamber,

an extruder screw,

said extruder chamber housing said extruder screw,

communication means to facilitate transference of food products from said mixing bin to said extruder chamber,

said extruder chamber mounting an extrusion die on its output end,

said extrusion die being operative to extrude food products conveyed by said extruder screw,

a motor,

mechanical transmission means,

said extruder screw coupled to said motor through said mechanical transmission means,

said mixing bin being covered by a manually opened lid,

said manually opened lid being penetrated by at least one opening,
said at least one opening allowing communication from one side of
said lid to the other,
said at least one opening contoured to facilitate entry of powder
and other dry ingredients through said lid when said lid is closed
on said mixing bin,
said at least one opening contoured to prevent finger entry
through said at least one opening into said mixing bin far enough
to touch said mechanical mixing element when said lid is closed on
said mixing bin.

5. A kitchen device to mix and extrude food products such as
pasta, cookies or hors d'oeuvres, said device comprising:
a mixing bin,
said mixing bin having within it at least one mechanical mixing
element operative for mixing food products,
an extruder chamber,
an extruder screw,
said extruder chamber housing said extruder screw,
communication means to facilitate transference of food products
from said mixing bin to said extruder chamber,
said extruder chamber mounting an extrusion die on its output end,
said extrusion die being operative to extrude food products
conveyed by said extruder screw,
a motor,
mechanical transmission means,
said extruder screw coupled to said motor through said mechanical
transmission means,

said mixing bin being penetrated by at least one opening,
said at least one opening allowing communication from the outside
of said mixing chamber to its inside,
said at least one opening contoured to facilitate entry of powder
and other dry ingredients into said mixing bin,
said at least one opening contoured to prevent entry of fingers
far enough into said mixing bin to touch said mixing element.

6. The device of claim 5 wherein said at least one opening is plural.

7. The device of claim 5 wherein said at least one mechanical mixing element rotates about an axis and said axis is generally horizontal.

8. A kitchen device for mixing and extruding food products such as pasta, cookies or hors d'oeuvres, said device comprising:
a mixing bin,
said mixing bin having within it at least one mechanical mixing element operative for mixing food products,
an extruder chamber,
an extruder screw,
said extruder chamber housing said extruder screw,
communication means for transference of food products from said mixing bin to said extruder chamber,
said extruder chamber mounting an extrusion die on its output end,
said extrusion die being operative to extrude food products conveyed by said extruder screw,
a reversing electric motor,
mechanical transmission means,

said extruder screw coupled to said reversing motor through said mechanical transmission means,
an electric switch having a lever movable to at least three positions,
said electric switch energizing said reversing electric motor,
a first position of said lever's at least three positions being operative to energize said reversing electric motor in a predetermined direction,
a second position of said lever's at least three positions being operative to energize said reversing electric motor in a direction opposite said predetermined direction,
a third position of said lever's at least three positions being operative to cause said reversing electric motor to cease rotation,
said third position being intermediate of said first and said second positions such that said lever must pass through said third position in order to move from said first position to said second position,
finger activated stop means operative for stopping said lever at said third position when said lever is moved from said first position toward said second position before said lever enters said second position until said stop means is activated by finger pressure thus allowing movement of said lever from said third position to said second position.

9. The device as claimed in claim 8 and further including that said reversing electric motor is a permanent magnet direct current motor.

10. The device of claim 8 wherein said switch switches direct current energizing said motor.

11. The device of claim 8 wherein said switch is a slide lever switch.

12. The device of claim 8 wherein said lever on said electric switch moves longitudinally and said finger activated stop means is activated by finger pressure orthogonal to said longitudinal lever movement.